



Brand : **S-Corit A**

Classification : **Cordierite-Mullite**

Physical Properties :

Maximum Service Temperature	°C	1360
Apparent Density	kg/m ³	1880
Apparent Porosity	%	28
Modulus of Rupture		
at room temperature	N/mm ²	12
at 1200 °C	N/mm ²	14
Modulus of Elasticity	N/mm ²	14000
Thermal Conductivity Coefficient	W/mK	1.0
Thermal Expansion Coefficient	K ⁻¹	2.0 x 10 ⁻⁶
Specific Heat Coefficient	kJ/kgK	0.9
Thermal Shock Resistance		Extremely Good

Chemical Composition :

Alumina	(Al ₂ O ₃)	%	38
Silica	(SiO ₂)	%	51
Magnesia	(MgO)	%	8

All data are typical for commonly produced materials. They are subjected to reasonable variations and should not be used for specification purposes. Where applicable, ASTM test methods and IKF's written procedures have been used. Unless otherwise stated, properties have been determined at room temperature